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said stator core being formed with a number of slots extending axially at a predetermined pitch in a circumferential direction and being provided with an abutting portion extending axially, said abutting portion making said stator core into an annular shape by abutting end portions of said stator core,

said polyphase stator winding comprising a number of winding portions in which a pair of long strands of wire are wound such that each of the pair intercrosses each other to alternately occupy an inner layer and an outer layer in a slot depth direction within said slots at intervals of a predetermined number of slots, said strands of wire folding back outside said slots at axial end surfaces of said stator core, said number of winding portions being constructed with at least one wire-strand group formed by simultaneously bending and folding a plurality of said strands of wire, said wire-strand group being constructed by arranging at one slot pitch offset the same number of wire-strand pairs as said predetermined number of slots, each of said wire-strand pairs being constructed by arranging two strands of wire so that straight portions alternately overlap at a predetermined pitch, each of said strands of wire being formed into a pattern in which said straight portions are connected by turn portions so as to be arranged at a pitch of said predetermined number of slots and adjacent straight portions are offset so as to alternately occupy said inner layer and said outer layer in said slot depth direction, end portions of each of strands of wire respectively extending outwards at both sides of both ends of said wire-strand group, and

an insulating member being interposed between said stator core and said winding,

AMENDMENT UNDER 37 C.F.R. § 1.116
Appln. No.: 09/624,222

Attorney Docket No.: Q60045

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wherein said polyphase stator winding is constructed by connecting said end portions of said strands of wire which construct said wire-strand group installed in said stator core, said end portions extending outwards from said slot in both axial directions of said stator core.